

**SHOWSCAN™**



# SHOWSCAN™

## AN INTRODUCTION

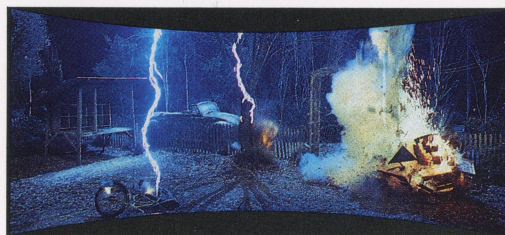
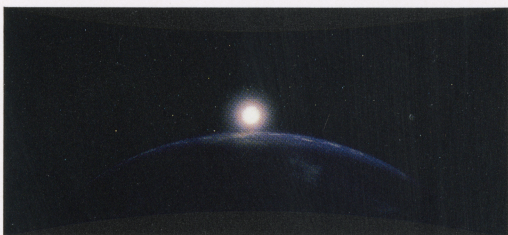
The Showscan film process combines the power of soaring imagination with breakthrough advances in film technology creating an illusion of reality unprecedented in the history of motion pictures. Its panoramic screen appears to open up and invite you inside...

You live it. You feel it.  
You are in it.

To achieve the brightest, sharpest images ever seen, Showscan projects its massive 70mm image at 60 frames per second — 2½ times faster, 4 times brighter and 4 times larger than standard projection. The Showscan experience is enhanced by a powerful six channel Dolby sound system.

Created by a team of motion picture wizards led by the remarkable Douglas Trumbull, Showscan is the future of film.

What can it do? How can it be applied?  
Use your imagination.



*"Astounding... Showscan™ packs a visceral wallop...  
the effect is new, uncanny and almost indescribable."*

American Film Magazine



### Conventional Film

Size: 35mm

Frames Per Second: 24



Each film sample represents  
 $\frac{1}{6}$  second of viewing time.

### The Showscan System

Size: 70mm

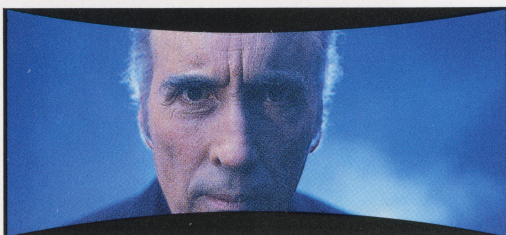
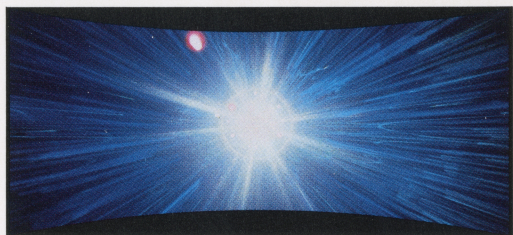
Frames Per Second: 60



Extensive psychological and physiological testing demonstrates Showscan's 60 frames per second rate approximates the speed at which the eye itself perceives reality.

Showscan's projection delivers more than 10 times the information of standard 35mm feature film. The image conveys a powerful sense of 3-dimensionality, extreme clarity, dynamic motion, and brilliant color.



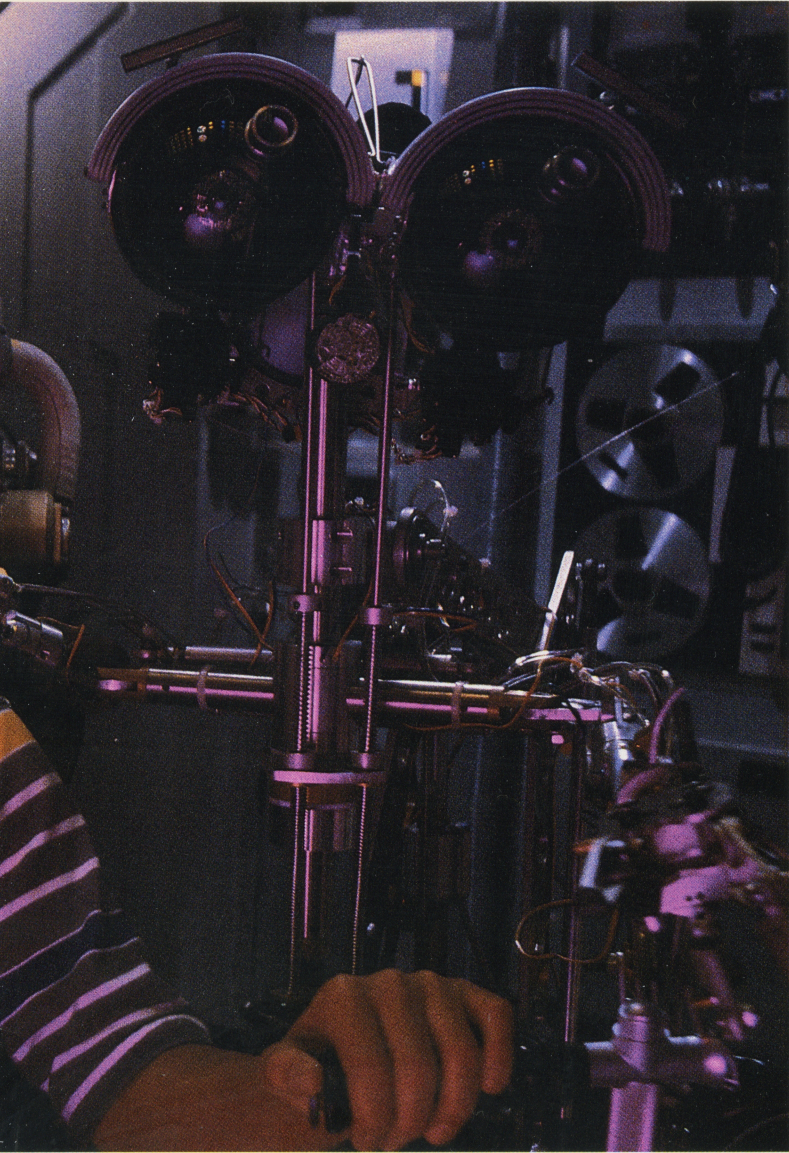


Christopher Lee as "Mr. Kellar" in *New Magic*.



# SHOWSCAN™

## THEATRE



Showscan's floor-to-ceiling curved screen, its proportions based on a ratio of image size to audience size, provides the perfect canvas for Showscan's artistry. The image is so real, so vivid, that the screen disappears.

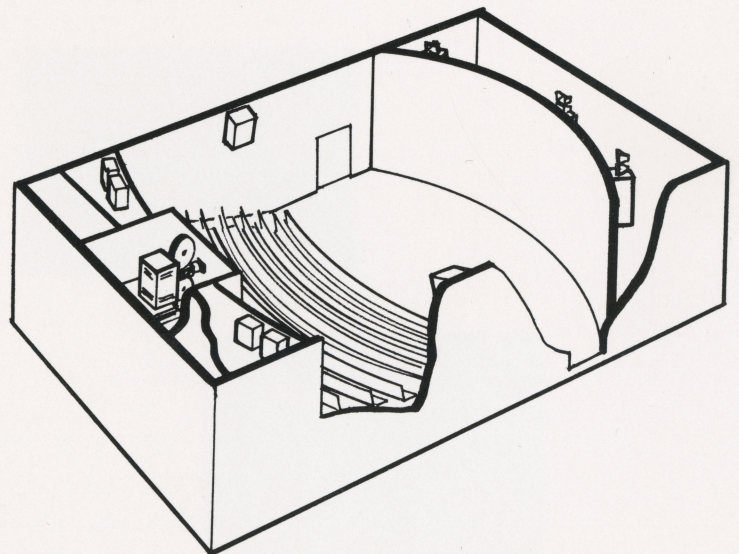
Unlike typically long and narrow movie theatres, the Showscan Theatre is almost square, allowing the audience an optimum 60 to 90 degree view of the screen. Showscan Theatres can be installed in existing structures or custom designed and themed to meet special needs with seating capacities of 50 to 2000.

Designed to complement and enhance Showscan, the theatre provides the optimum environment in which to experience this revolutionary motion picture process.

A high-speed 70mm projector with custom lenses exhibits Showscan productions with a brightness unparalleled by conventional film.

Showscan's six track magnetic sound system, with a sound pressure level of up to 120 decibels, creates an aural experience of absolute realism.

Unique, steeply raked, curved-row seating provides everyone with an unobstructed view.



*"Unbelievable... Astounding... A breakthrough that may someday rank with the first deployment of sound and color in film..."*

**The Washington Post**



# SHOWSCAN™

## SHOWSCAN FILM PRODUCTION

Showscan Film Corporation is a complete motion picture studio, fully staffed with some of the most talented people in the motion picture industry. We can provide creative film development, including scripting, casting, production personnel, photography, and post-production, as well as project management; accounting, administration, legal, business affairs, and public relations departments, and a full engineering, design, and architectural staff to support a wide diversity of complex projects—from feature length films to high impact simulations.

Showscan operates extensive facilities which are dedicated exclusively to 70mm Showscan film production, including a fully equipped and staffed special photographic effects studio; editorial equipment and personnel; electronic and mechanical engineering departments; architectural and motion picture miniature and prop construction shops, as well as a full-time engineering staff to support our on-going programs in camera, sound, and projector development.

We have stages, screening facilities, editing rooms, lights and cameras; a wide range of specialized equipment such as underwater camera and propulsion systems, airplane and helicopter camera mounts, special lenses,

animation cameras, and remote and computer-controlled photographic systems; 70mm optical printers, special film coding and synchronizing equipment, and video cameras and recorders.

We have writers, researchers, illustrators and draftsmen on staff. We also have a wide range of specialized consultants on call for such projects as optical, acoustical, and architectural design.

Showscan provides a truly advanced motion picture studio that puts us on the leading edge in film entertainment.



Douglas Trumbull and the 70mm Computerized Camera System at Entertainment Effects Group (EEG).

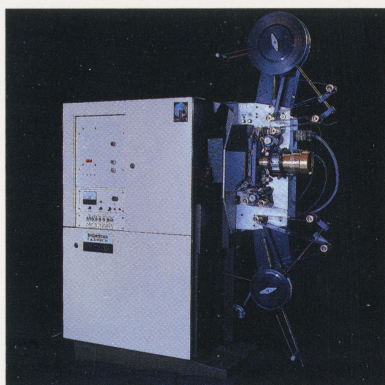
*"Dazzling... Dizzying... The biggest film breakthrough since color!  
... a heightened sense of reality, a sense of depth unprecedented in movies!"*

Dallas Morning News





The SHOWSCAN™ Underwater Camera System.



The SHOWSCAN™ 70mm Automatic Projector and Lamphouse.



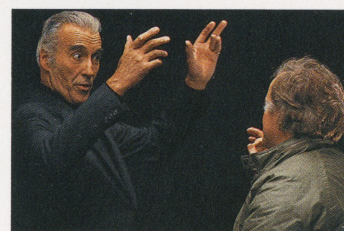
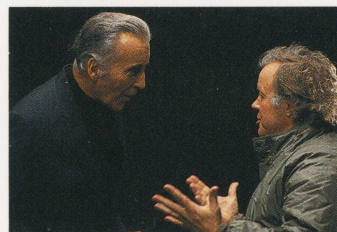
A scene from *Let's Go*, produced for Expo '85, Tsukuba, Japan, and shown on a 36 ft. × 84 ft. screen in a 500-seat Showscan Theatre.



Mixing SHOWSCAN™ six channel sound



Special Effects Crew prepares a shot.



Douglas Trumbull directs Christopher Lee in *New Magic*.

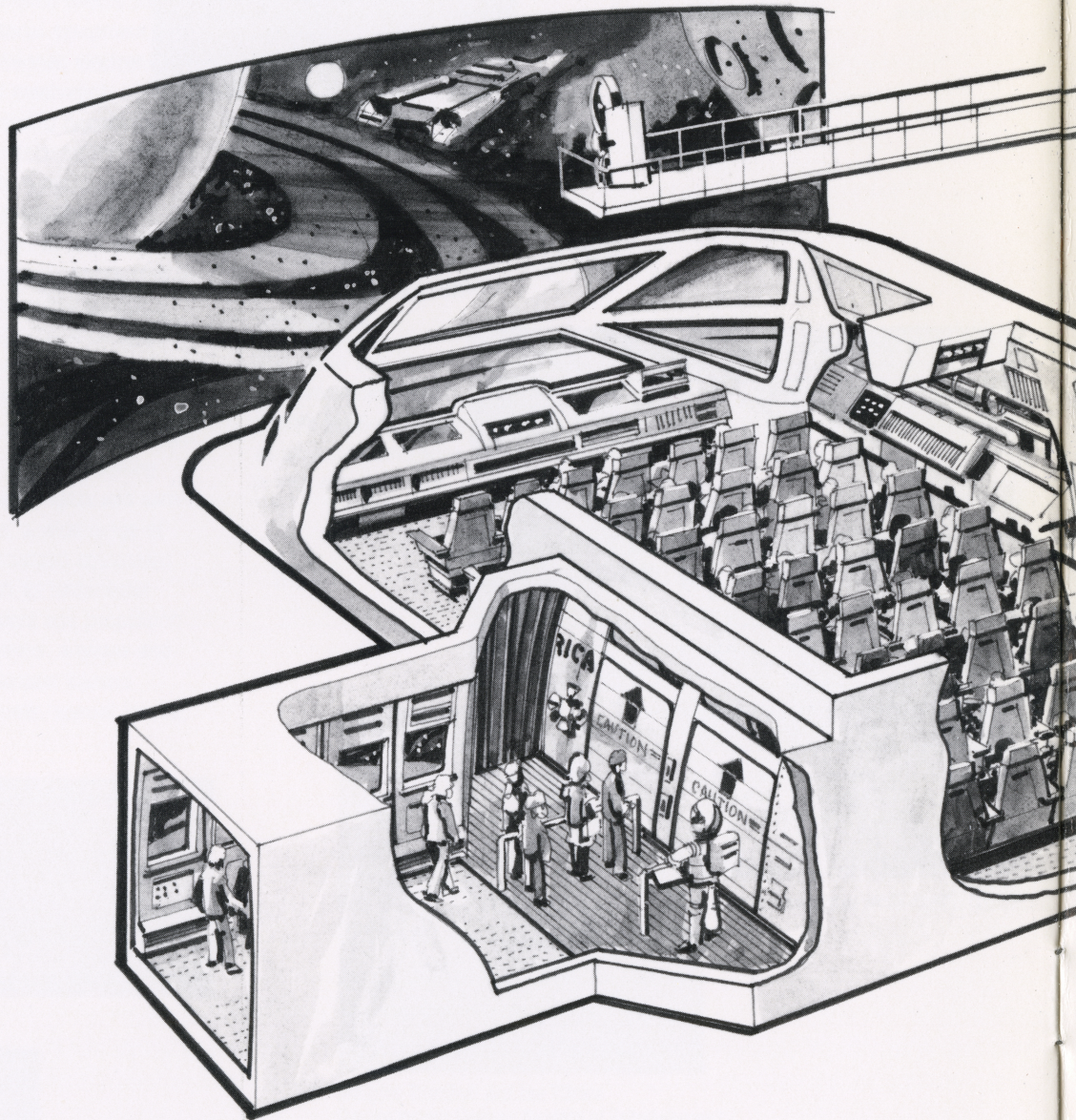


# SHOWSCAN™

## SPECIAL APPLICATIONS

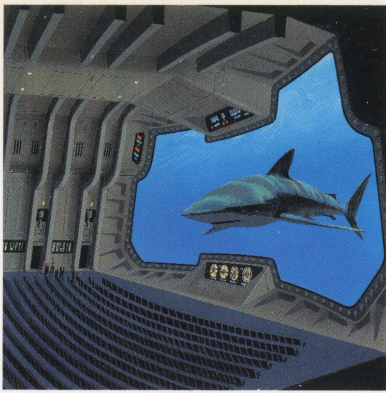
Most people will never sail the universe in a starship, descend to the ocean floor in a submersible, or witness the detail revealed by a Scanning Electron Microscope. Showscan's realism recreates these and limitless other experiences that can entertain and educate in a variety of environments.

Our management team will help you assess the design, cost, and profitability of a Showscan attraction to meet your specialized market requirements.

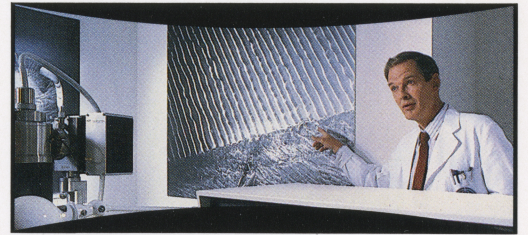


THE SHOWSCAN SIMULATOR creates the total illusion of a real adventure in a space ship, submarine, time machine—use your imagination. Showscan projection and sound are experienced from inside a themed vehicle interior.

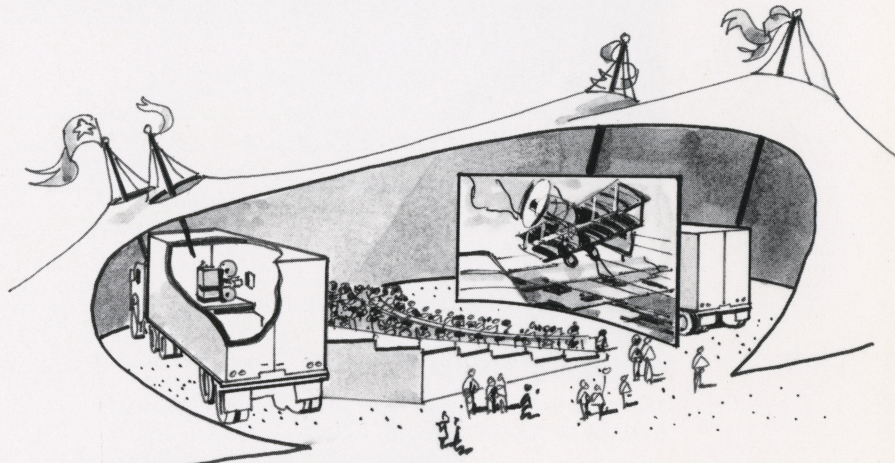
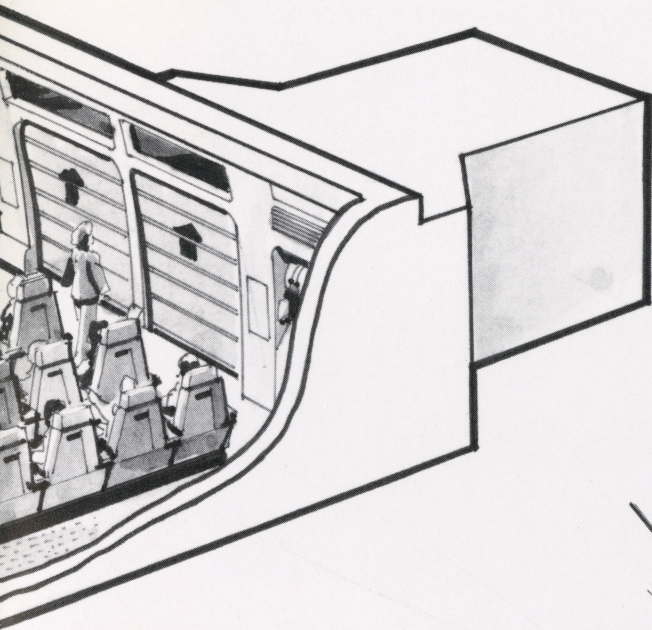




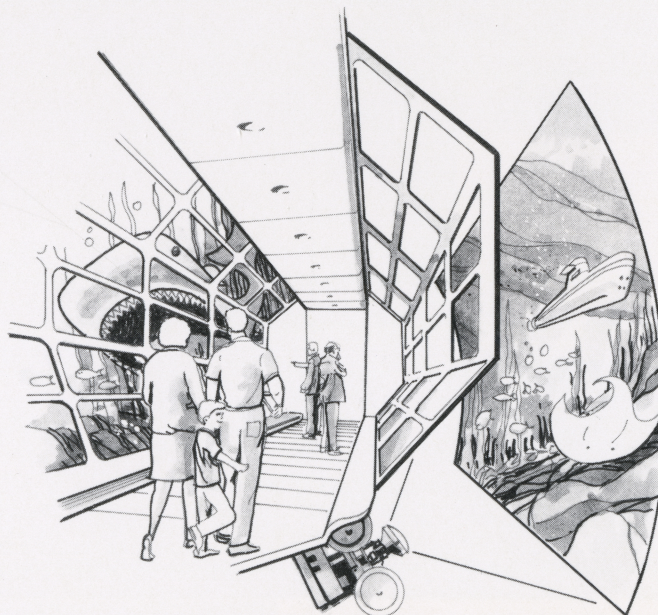
SPECIALTY THEATRES enhance a Showscan presentation with a themed viewing environment



EDUCATIONAL FILMS made in Showscan create powerful experiences, and experience is the best teacher.



MOBILE UNITS put Showscan on the road with all the trademark sound and projection quality of a permanent theatre.



WALK THROUGH ENVIRONMENTS put the participants into the scene; viewers' perspectives change as they walk along.

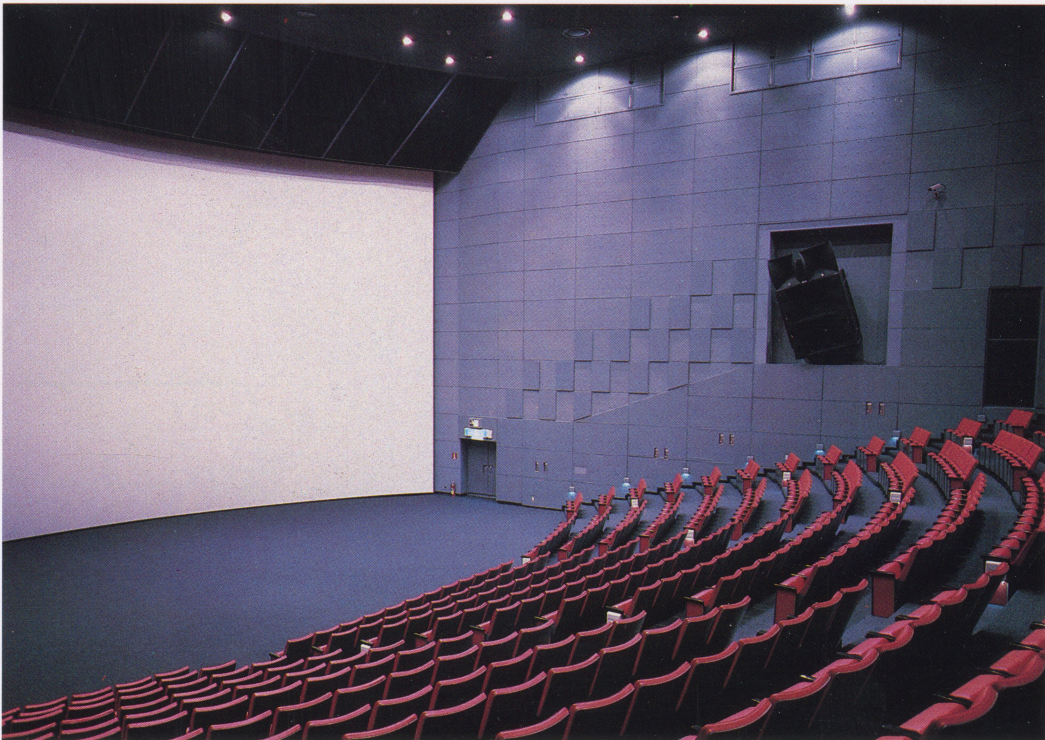


**SHOWSCAN™**

SPECIALTY THEATRES



The 500-seat SHOWSCAN™ Theatre with 29 ft. x 64 ft. screen (9 m x 20 m) in the British Columbia Pavilion at the 1986 World Exposition, Vancouver, Canada.



The 540-seat SHOWSCAN™ Theatre with 36 ft. x 84 ft. screen (11 m x 26 m) in the Toshiba Pavilion at Expo '85, The International Exposition, Tsukuba, Japan.



# SHOWSCAN™

## THEMED PRESENTATIONS

The submersible simulator—one of the “must-see” attractions at Expo '86 in Vancouver, Canada—is designed as a free-standing exhibit utilizing the Showscan™ film process. It can be custom-themed to create, with appropriate software, different experiences in addition to the underwater environment.



Interior view of the 35-passenger submersible simulator at the British Columbia Pavilion, Expo '86, Vancouver, Canada.



The Showscan™ Electronic Automated Projector.



**Showscan Film Corporation**

Los Angeles Office:  
3939 Landmark Street  
Culver City, CA 90232-2315

**213 558-0150**

Telex: 559517  
Fax: 213 559-7984